

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 03/05215

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01S7/491 G01S7/484

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>RIDLEY K D ET AL: "Improved speckle statistics in coherent differential absorption lidar with in-fiber wavelength multiplexing"</p> <p>APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 40, no. 12, 20 April 2001 (2001-04-20), pages 2017-2023, XP002260851</p> <p>ISSN: 0003-6935</p> <p>cited in the application abstract</p> <p>paragraph '0001!</p> <p>paragraph '0003!</p> <p>figure 5</p> <p style="text-align: center;">--- -/--</p>	1-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

08/04/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 859 611 A (STEPHENS RONALD R ET AL) 12 January 1999 (1999-01-12) abstract figures 1A-1C figure 2 column 1, line 10 -column 3, line 15 ---	1-16
Y	US 5 644 664 A (GOPALAKRISHNAN GANESH K ET AL) 1 July 1997 (1997-07-01) abstract figure 11 column 3, line 57 -column 4, line 29 -----	1-16

# INTERNATIONAL SEARCH REPORT

Information on patent family members

In  
national Application No  
PCT/GB 03/05215

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5859611	A	12-01-1999	NONE	
US 5644664	A	01-07-1997	US 5422966 A	06-06-1995